

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/000342

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 G01N33/574   |   |  |
|--|---|--|
| According to International Patent Classification (IPC) or to both national classification and IPC  |   |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 G01N   |   |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |   |  |
| Electronic data base consulted during the International search (name of data base and, where practical, search terms used)<br>EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS  |   |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |   |  |
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.  |
| A  | DIAMANDIS E P ET AL: "THE NEW HUMAN KALLIKREIN GENE FAMILY: IMPLICATIONS IN CARCINOGENESIS" TRENDS IN ENDOCRINOLOGY AND METABOLISM, ELSEVIER SCIENCE PUBLISHING, NEW YORK, NY, US, vol. 11, no. 2, 2000, pages 54-60, XP000910866<br>ISSN: 1043-2760<br>the whole document<br>table 3 | 1-25   |
| X  | WO 03/089932 A (QUEENSLAND UNIVERSITY OF TECHNOLOGY; CLEMENTS, JUDITH, ANN)<br>30 October 2003 (2003-10-30)<br>the whole document<br>claims 50,51.  | 19-21,23   |
| <div style="text-align: center;">-----<br/>-/-</div>   |   |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.   |   |  |
| <input checked="" type="checkbox"/> Patent family members are listed in annex.   |   |  |
| <b>* Special categories of cited documents :</b>   |   |  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p> </div> </div> |   |  |
| Date of the actual completion of the international search<br>4 July 2005   |   | Date of mailing of the international search report<br>30-08-2005 |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL-2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3018   |   | Authorized officer<br>Jenkins, G                                 |

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000342

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | US 6 103 237 A (SAEDI ET AL)<br>15 August 2000 (2000-08-15)<br>the whole document<br>page 3, paragraph 1<br>-----   | 21,23                 |
| X          | RODDIGER SANDRA J ET AL: "Human<br>kallikrein 2 (hK2) mRNA in peripheral<br>blood of patients with thyroid cancer. A<br>novel molecular marker?"<br>JOURNAL OF CANCER RESEARCH AND CLINICAL<br>ONCOLOGY,<br>vol. 129, no. 1, January 2003 (2003-01),<br>pages 29-34, XP002332335<br>ISSN: 0171-5216<br>the whole document<br>table 2<br>----- | 18                    |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2005/000342

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 26  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-25 (partial)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1: claims 1-25 [partial]

diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with KLK2, in which the diseases are: 1) hematological disorders.

---

Inventions 2-11: claims 1-25 [partial]

diagnostics, therapeutics and methods of screening for therapeutics, relating to diseases associated with KLK2, in which the diseases are: 2) thyroid cancer, 3) stomach cancer, 4) colon cancer, 5) liver cancer, 6) ovarian cancer, 7) cardiovascular diseases, 8) inflammatory diseases, 9) neurological diseases, 10) reproduction disorders, 11) urological disorders.

---

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000342

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| WO 03089932                               | A | 30-10-2003          | WO 03089932 A1             | 30-10-2003          |
|   |   |                     | AU 2003227086 A1           | 03-11-2003          |
| <hr/>                                     |   |                     |                            |                     |
| US 6103237                                | A | 15-08-2000          | US 5516639 A               | 14-05-1996          |
|   |   |                     | AU 719502 B2               | 11-05-2000          |
|   |   |                     | AU 5788996 A               | 21-11-1996          |
|   |   |                     | CA 2219876 A1              | 07-11-1996          |
|   |   |                     | EP 0826056 A2              | 04-03-1998          |
|   |   |                     | JP 11505111 T              | 18-05-1999          |
|   |   |                     | WO 9634964 A2              | 07-11-1996          |
|   |   |                     | US 2004259113 A1           | 23-12-2004          |
|   |   |                     | AU 699748 B2               | 10-12-1998          |
|   |   |                     | AU 2639095 A               | 29-11-1995          |
|   |   |                     | CA 2189774 A1              | 16-11-1995          |
|   |   |                     | EP 0804593 A1              | 05-11-1997          |
|   |   |                     | JP 10500294 T              | 13-01-1998          |
|   |   |                     | WO 9530758 A1              | 16-11-1995          |
|   |   |                     | US 6093796 A               | 25-07-2000          |
|   |   |                     | US 6013471 A               | 11-01-2000          |
|   |   |                     | ZA 9503727 A               | 07-08-1996          |
|   |   |                     | AT 263189 T                | 15-04-2004          |
|   |   |                     | AU 693457 B2               | 02-07-1998          |
|   |   |                     | AU 7252594 A               | 20-02-1995          |
|   |   |                     | CA 2165672 A1              | 02-02-1995          |
|   |   |                     | DE 69433663 D1             | 06-05-2004          |
|   |   |                     | DE 69433663 T2             | 19-08-2004          |
|   |   |                     | DK 710253 T3               | 26-07-2004          |
|   |   |                     | EP 0710253 A1              | 08-05-1996          |
|   |   |                     | ES 2215997 T3              | 16-10-2004          |
|   |   |                     | JP 9501152 T               | 04-02-1997          |
|   |   |                     | PT 710253 T                | 30-07-2004          |
|   |   |                     | WO 9503334 A1              | 02-02-1995          |
|   |   |                     | ZA 9405364 A               | 13-03-1995          |
| <hr/>                                     |   |                     |                            |                     |

BEST AVAILABLE COPY